

M235 (Calculus Lab) Spring 2014

INSTRUCTOR: Dr. Hundley

OFFICE: Olin 234

OFFICE HOURS: T, Th or F at 11AM.

Feel free to schedule an alternative time to meet if you can't make these hours. Otherwise, if my door is open, feel free to come in. You can also email me anytime.

OFFICE PHONE: 527-5151

EMAIL: hundledr@whitman.edu

COURSE WEBSITE:

<http://people.whitman.edu/~hundledr/courses/M235.html>

All course handouts will be available on our website, so you might want to bookmark it.

1. **Goals:** The main goals of this course are to (1) learn to use a computer algebra system (CAS) to solve mathematical problem, (2) learn how to write mathematics using LaTeX (which includes typesetting commands), and finally (3) be able to give a short oral presentation- More on this last item later.
2. **Software:** We will be using Maple for our mathematics work and LaTeX (pronounced "Lay-Tech", different than rubber) for the word processing. See our class website about getting a copy of LaTeX for your home computer (it's free!).
3. **Grading:** Your grade will be based on the written reports you turn in, and an assessment of your oral presentation.

Your grade will be based on: Exercises, Lab reports, and the oral presentation. The first two assignments together constitute the first lab (Lab 0), then we have the remaining labs. Together, the labs will be 80% of the overall grade, and the oral presentation will be 20%. Grading will be done on a standard scale:

$$A = 90 - 100 \quad B = 80 - 89 \quad C = 70 - 79 \quad D = 60 - 69 \quad F = 59 \text{ or less}$$

4. **Group Work:** You will do your assignments collaboratively with a partner. Lab partners will be assigned randomly at the beginning of each lab, and you may not switch partners until that lab is completed. It is your responsibility to make sure that your partner contributes fairly to the project.

Submitting your work: Be sure your file has the name of both lab partners on it when turning it in, and each student will upload a copy of the lab (or assignment solutions) to their own CLEo mailbox.

5. **Plagiarism:** Your write ups should be completely your own- when you use other external sources, be sure and cite them (there are old calc books on the bookshelf you may use as needed)- You may use a footnote citation in abbreviated form¹. In

¹ *Calculus*, James Stewart, 2001, pg. XX

particular, you should NOT try to look up solutions to the exercises or lab write ups on the internet.

6. **Late Work:** Late work will be accepted, but a penalty will be assigned: 5% for the first day late, 10% for the second day late, 15% for the third day late, and so on. Since most of the submissions are electronic, these count weekends and holidays.

7. **Other items:**

If you have a learning disability that will require special arrangements for you, please let me know as soon as possible.

I will not take attendance, but you are expected to come to class and work with your partner. If you need to miss class or an appointment with your partner, please do them (and me!) the courtesy of an email.

8. **Lab Schedule for through Spring Break:**

Week	Date (Wed/Thu)	Topic	Due
1	Jan 20-24	Introduction and LaTeX	Lab 0, Part 1 due Feb 3
2	Jan 27-31	Introduction to Maple Continue with intro to LaTeX	Lab 0, Part 2 due Feb 3
3	Feb 03-07	Continue with Maple	
4	Feb 10-14	Lab 1 (Biorhythms)	Due Feb 24
5	Feb 17-21	Lab 1	
6	Feb 24-28	Lab 2, (Clairaut)	Due Mar 10
7	Mar 03-07	Lab 2, continued.	
8	Mar 10-14	Short Assignment	Lab 0, Part 3 due before Break
		Spring Break	

9. **Oral Presentations:** Please save Friday, May 16th for presentations (during what would have been our Final Exam time). The 1PM on Wed, 1PM Fri sections will be in the morning and the 2:30 Wed section will be in the afternoon.